(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



- | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1881 | 1

(43) International Publication Date 1 September 2005 (01.09.2005)

PCT

Swedish

(10) International Publication Number WO 2005/079955 A1

(51) International Patent Classification⁷: **B01D 53/18**, 47/12, 47/14

(21) International Application Number:

PCT/SE2005/000207

(22) International Filing Date: 16 February 2005 (16.02.2005)

(25) Filing Language:

(26) Publication Language: English

(30) Priority Data: 0400397-6 20 February 2004 (20.02.2004) SI

(71) Applicant (for all designated States except US): GÖ-TAVERKEN MILJÖ AB [SE/SE]; Box 8876, S-402 72 Göteborg (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HÄGG, Ulf

[SE/SE]; Skogsvägen 69, S-435 38 Mölnlycke (SE). **GUSTAFSSON, Lennart** [SE/SE]; Smedvägen 14, S-443 61 Stenkullen (SE).

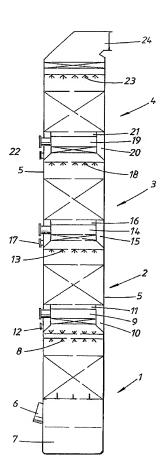
(74) Agent: KARLSTRÖM, Lennart; Noréns Patentbyrå AB, Box 10198, S-100 55 Stockholm (SE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: SCRUBBER



(57) Abstract: A scrubber for the cleaning of gases containing several scrubber stages (1-4), where the scrubber stages are arranged in a scrubber tower with the different stages at different levels above each other in the scrubber tower. At least one of the scrubber stages (2-4) above the lowest scrubber stage (1) comprises, according to the invention, a ring-shaped tank (10, 15, 20) arranged inside the scrubber tower, which ring shaped tank (10, 15, 20) is arranged surrounding a central channel (9, 14, 19) through which the gas that is to be cleaned can pass upwards.



WO 2005/079955 A1

GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.